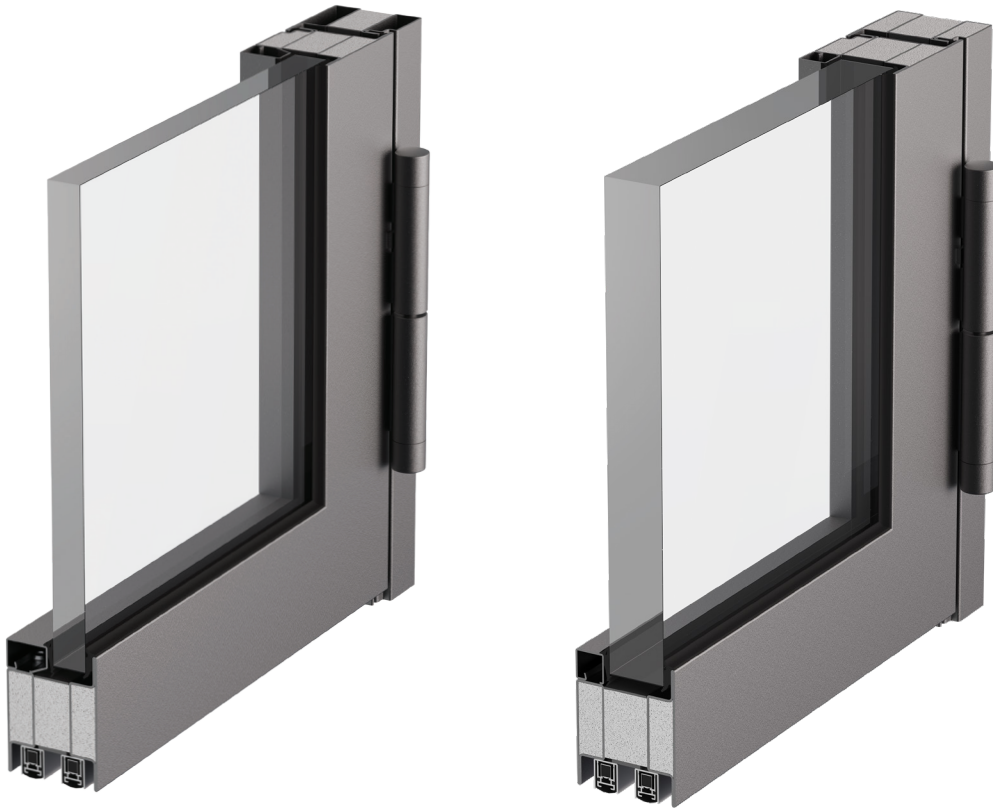


POLFLAM STL DOOR Assembly

60 & 90 MINUTE FIRE-RATED STEEL DOOR SYSTEM



The POLFLAM STL DOOR Assembly combines precision-engineered steel framing with POLFLAM fire-resistive glass to deliver an elegant, high-performance solution for single- or double-leaf fire-rated doors. Suitable for interior use and exterior applications, these fully glazed doors provide exceptional transparency, durability, and certified fire protection up to 90 minutes, while maintaining a refined architectural appearance.

Tested and certified in accordance with UL 10C / UL 10B / CAN-ULC S104, the system offers architects and specifiers a versatile solution where clarity and safety are equally critical - from lobbies, corridors, and stair enclosures to partitioned office spaces and entrances.

KEY FEATURES

- Fire Ratings – 60 and 90 minutes per UL 10C / UL 10B / CAN-ULC S104
- Fully Glazed Design – Maximum daylight and visibility with slim steel framing
- Available as Single or Double Leaf Assemblies
- Optional Midrail in Door Leaf – Extended door height up to 121 1/2 in. (3086 mm)
- Optional 10 in. (254 mm) bottom rail to meet ADA requirements in North America
- Impact Safety Glazing – Meets ANSI Z97.1 (Class A) and CPSC 16 CFR 1201 (Category I & II)
- Temperature Rise Door (T-Rated) – Maximum 450 °F (250 °C) at 30 minutes
- Fire-Rated Hardware – Components listed to UL 10C for the required duration
- Cladding Options – Stainless steel finish 1/32 in. - 3/64 in. (1.0 mm - 1.2 mm) thick
- Certified Performance – Intertek Listed (Design No. 90004)
- Seamless Integration – Compatible with POLFLAM STL and POLFLAM STL CW framing systems

Tested Configurations & Maximum Sizes:

Fire Rating	Door Type	Max. Single Leaf Size (W x H)	Max. Pair Size (W x H)	Max. Glass Size (W x H)
60 minutes	Single / Double	47 7/8 in. x 96 1/2 in. (1215 mm x 2450 mm)	96 in. x 96 1/2 in. (2430 mm x 2450 mm)	42 1/4 in. x 90 1/2 in. (1073 mm x 2297 mm)
60 minutes with Midrail	Single / Double	47 7/8 in. x 121 1/2 in. (1215 mm x 3086 mm)	95 2/3 in. x 121 1/2 in. (2430 mm x 3086 mm)	Divided light 42 1/4 in. x 90 1/2 in. (1073 mm x 2297 mm)
90 minutes	Single / Double	42 1/2 in. x 96 1/2 in. (1080 mm x 2450 mm)	86 7/16 in. x 96 1/2 in. (2195 mm x 2450 mm)	36 1/4 in. x 90 1/2 in. (920 mm x 2297 mm)

Technical Specifications of Fire-Resistive Glass:

POLFLAM	60	90
Nominal thickness	1 3/16 in. (30 mm)	1 7/16 in. (37 mm)
Thickness tolerance	±1/16 in. (±2 mm)	±1/8 in. (±3 mm)
Weight	10.6 lbs/ft ² 52 kg/m ²	12.5 lbs/ft ² 61 kg/m ²
Fire-Resistance Rating	60 min	90 min
Certification	Intertek	Intertek
Listing Standard	UL 263, ASTM E119, CAN/ULC S101 and EN 1364-1	UL 263, ASTM E119, CAN/ULC S101, EN 1364-1, CAN / ULC S104, UL 10(b), UL 10(c), NFPA 252
Visible Light Transmittance	86%	86%
U-value [Btu/h•ft ² •F]	0.64 (Winter) 0.60 (Summer)	0.57 (Winter) 0.53 (Summer)
STC Rating	42 dB	44 dB
Impact Safety Compliance	CPSC 16 CFR 1201 (Category II) ANSI Z97.1 (Class A)	CPSC 16 CFR 1201 (Category II) ANSI Z97.1 (Class A)
Storage and Transportation Temperature Range	-40°F to +122°F	-40°F to +122°F

Optional with Low-Iron glass

POLFLAM fire-resistive glass is permanently laser-marked for full traceability and compliance.

16 CFR 1201 II
ANSI Z97.1-2015
CAN/CGSB 12.1-2022
1/4 U A SGCC 10060
UL 10B | 10C | 263
D-H-T-60



16 CFR 1201 II
ANSI Z97.1-2015
CAN/CGSB 12.1-2022
1/4 U A SGCC 10060
UL 10B | 10C
D-H-T-90



Listings:

Classified and labeled by INTERTEK

Design No. 90004

Tests performed in accordance with UL 10C, UL 10B, CAN/ULC S104

